

**AMENDMENT AND PRESENTATION OF CLAIMS**

Please replace all prior claims in the present application with the following claims.

1. (Currently Amended) A message analyzer for analyzing messages which are transmitted via at least one service access point from layers of an Open Systems Interconnection (OSI) reference model of an end system of a subscriber of a mobile telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in a sequence of temporally successive messages; and

a display device for displaying, on a single screen, a first region and a second region,

wherein the sequence of messages is read in by means of the selector from the storage device and displayed ~~listed~~ in the first region,

wherein the selector determines, for the at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region,

wherein the sequence of messages read in by the selector is dependent upon a selection ~~with which~~ of a specific point of the course of the first characteristic feature that is selectable in the second region, and

wherein the display device is configured to display a selectable marking produced automatically by the selector in the second region based on a predefined additional item of information stored during storage of messages in the storage device, and

wherein upon selection of the marking, a sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device.

2. (Previously Presented) A message analyzer according to claim 1, wherein:

the selector determines a second characteristic feature for messages which are transmitted via a plurality of service access points of a layer of the OSI reference model, the a course of the second characteristic feature is displayed on the display device in the second region.

3. (Canceled)

4. (Currently Amended) A message analyzer for analyzing messages which are transmitted via at least one service access point from layers of an Open Systems Interconnection (OSI) reference model of an end system of a subscriber of a mobile telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in a sequence of temporally successive messages; and

a display device for displaying, on a single screen, a first region and a second region,

wherein the sequence of messages is read in by means of the selector from the storage device and displayed ~~listed~~ in the first region,

wherein the selector determines, for the at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region,

wherein the sequence of messages read in by the selector is dependent upon a selection ~~with which~~ of a specific point of the course of the first characteristic feature ~~thta~~ that is selectable in the second region, and

wherein a plurality of specific points are marked by respective markings in the course displayed in the second region and, upon selection of a marking of the markings, a sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device.

5. (Canceled)

6. (Previously Presented) A message analyzer according to claim 1, wherein:  
the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

7. (Previously Presented) A message analyzer according to claim 6, wherein:  
a third region of the course displayed in the second region which corresponds respectively to the sequence of messages currently displayed in the first region, is highlighted.

8. (Previously Presented) A message analyzer according to claim 1, wherein:  
the course of the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is subdivided into intervals each having an identical number of messages.

9. (Previously Presented) A message analyzer according to claim 1, wherein:  
the first characteristic feature is a number of transmitted messages per interval of time or a data load of a layer of the OSI reference model or a number of messages transmitted repeatedly.

10. (Previously Presented) A method using a computer or a digital signal processor for analyzing messages which are transmitted via at least one service access point from layers of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device, comprising the steps of:

reading in a sequence of messages by a selector; and

displaying the sequence of messages which is read in by the selector, in tabular form in a first region of a single screen of a display device, wherein

a first characteristic feature of messages which are transmitted via the at least one service access point is determined by the selector

and a course of the first characteristic feature is displayed in a second region of the single screen of the display device,

further comprising:

selecting, in the second region, a specific point of the course of the first characteristic feature; and

reading in, by the selector, a sequence of messages dependent upon the specific point, wherein:

during storage of the messages in the storage device, a predefined additional item of information is stored, and

dependent upon the predefined additional item of information, a selectable marking is produced automatically in the second region by the selector, and

upon selection of the marking, dependent upon the specific point marked by the selected marking, a corresponding sequence of messages is read in by the selector from the storage device.

11. (Previously Presented) A method according to claim 10, further comprising:

determining, by the selector, a second characteristic feature of messages which are transmitted via a plurality of service access points of a layer of the OSI reference model.

12. (Canceled)

13. (Previously Presented) A method using a computer or a digital signal processor for analyzing messages which are transmitted via at least one service access point from layers of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device, comprising the steps of:

reading in a sequence of messages by a selector; and

displaying the sequence of messages which is read in by the selector, in tabular form in a first region of a single screen of a display device, wherein

a first characteristic feature of messages which are transmitted via the at least one service access point is determined by the selector

and a course of the first characteristic feature is displayed in a second region of the single screen of the display device,

further comprising:

selecting, in the second region, a specific point of the course of the first characteristic feature;

and

reading in, by the selector, a sequence of messages dependent upon the specific point, wherein:

in the second region, a plurality of specific points of the course of the first characteristic feature are marked by respective markings, and

upon selection of a marking of the markings, dependent upon the specific point marked by the selected marking, a corresponding sequence of messages is read in by the selector from the storage device.

14. (Canceled)

15. (Previously Presented) A method according to claim 10, wherein:

at least one characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

16. (Previously Presented) A method according to claim 15, wherein:

a third region which corresponds respectively to the sequence of messages displayed in tabular form in the first region is displayed highlighted in the second region.

17. (Previously Presented) A method according to claim 10, wherein:

the first characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is sub-divided into intervals each having an identical number of messages.

18. (Previously Presented) A message analyzer according to claim 1, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

19. (Previously Presented) A message analyzer according to claim 18, wherein the specific event is a change of attenuation.

20. (Previously Presented) A method according to claim 10, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

21. (Previously Presented) A method according to claim 20, wherein the specific event is a change of attenuation.